

COMPOSITION AND METHOD FOR INHIBITING PLATELET AGGREGATION

ABSTRACT

The present invention provides novel compounds of dinucleotide polyphosphates and
5 the method of preventing or treating diseases or conditions associated with platelet
aggregation. The method comprises administering systemically to a patient a pharmaceutical
comprising a purinergic P₂_T receptor antagonist, in an amount effective to elevate its
extracellular concentration to bind to P₂_T receptors and inhibit P₂_T receptor-mediated platelet
aggregation. Methods of systemic administration include injection by intravenous,
10 intramuscular, intrasternal and intravitreal routes, infusion, transdermal administration, oral
administration, rectal administration and intra-operative instillation.

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